

diverted entirely in the presence of freshly killed food. This habit, therefore, while it may be potential storage, has not developed into true storage as in the case of rodents storing nuts, largely, perhaps, to the impossibility of keeping animal food fresh.

Another outstanding portion of the work deals with territory and contains much valuable and interesting data largely confirmatory of Mr. Howard's theories on the subject. Especially important is the extension of territorial behaviour to wintering shrikes which have as definite a winter feeding area as they do a breeding area. The account of singing by females is also a contribution to a neglected field.

Mr. Miller is to be congratulated upon a splendid piece of work bearing, as we have indicated, upon several distinct lines of research.—W. S.

'A Bird Painter's Sketch Book.'—For those who delight in handsome bird books Philip Rickman's 'Bird Painter's Sketch Book'¹ will have a strong appeal. It consists of thirty-four plates of British birds, eleven in color and twenty-three black and white reproductions of pencil sketches. Each plate is accompanied by a short account of the bird from the author's experience or compiled from recognized authorities, and in case of the color plates an account of the locality represented in the painting.

It is the black and white plates that have the most charm, the birds being drawn with great softness and delicacy, and the reproduction remarkably accurate. Some are finished pictures, others single figures of birds and still others whole pages from the sketch book with many figures in various positions with details of plumage, bills, etc., added here and there. The birds in this series include among others the Raven, Magpie, Bullfinch, Barn Owl, Greenland Falcon, Woodcock, Snipe, and several ducks and plover.

The color plates are not so satisfying, the landscape being the chief motif and the bird figures usually very small and apparently secondary to the view. The reproduction on very highly sized paper, too, is not so satisfactory although the pictures are often very attractive.

In the text will be found much information on the colors of the soft parts of the bill and feet and quotations from different works on this point, which is evidently a matter of much interest to the author. Mr. Rickman has made a notable contribution to the artistic side of ornithology.—W. S.

Nicholson's 'The Art of Bird Watching.'—Until we read Mr. Nicholson's book² we had not realized what a science bird-watching had become,

¹ A Bird Painter's Sketch Book Written and Illustrated by Philip Rickman, Illustrator of "Game Birds," "The Gun Room Guide," etc. Published in London by Eyre & Spottiswoode and in New York by Charles Scribner's Sons. MCMXXXI. Pp. 150 and 11 plates. Price \$10.00.

² The Art of Bird-Watching, A Practical Guide to Field Observation. By E. M. Nicholson, Author of "Birds in England," "How Birds Live," "The Study of Birds." Illustrated by Photographs, Maps and Diagrams. The Sports and Pastimes Library. H. F. and G. Witherby, 326 High Holborn, London, W. C. 1931. pp. 1-218. Price 10 shillings 6 pence, net.